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## SEQUENCE LISTING

<110> The Trustees of the University of Pennsylvania  
 Stedman, Hansell  
 Su, Leonard  
 Mitchell, Marilyn

<120> Microtrophin and Uses Thereof

<130> UPN-Q3355PCT

<150> US 60/538,877  
 <151> 2004-01-23

<160> 12

<170> PatentIn version 3.3

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Gly Lys Pro Pro Ile Asn Asp Met Phe Thr Asp Leu Lys Asp Gly Arg  
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Lys Leu Leu Asp Leu Leu Glu Gly Leu Thr Gly Thr Ser Leu Pro Lys  
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Glu Arg Gly Ser Thr Arg Val His Ala Leu Asn Asn Val Asn Arg Val  
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Leu Gln Val Leu His Gln Asn Asn Val Asp Leu Val Asn Ile Gly Gly  
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Thr Asp Ile Val Asp Gly Asn His Lys Leu Thr Leu Gly Leu Leu Trp  
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Ser Ile Ile Leu His Trp Gln Val Lys Asp Val Met Lys Asp Val Met  
130 135 140

Ser Asp Leu Gln Gln Thr Asn Ser Glu Lys Ile Leu Leu Ser Trp Val  
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 Thr Ser Trp Thr Asp Gly Leu Ala Phe Asn Ala Val Leu His Arg His  
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 Lys Pro Asp Leu Phe Ser Trp Asp Arg Val Val Lys Met Ser Pro Ile  
 195 200 205  
 Glu Arg Leu Glu His Ala Phe Ser Lys Ala Gln Thr Tyr Leu Gly Ile  
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 Glu Lys Leu Leu Asp Pro Glu Asp Val Ala Val Gln Leu Pro Asp Lys  
 225 230 235 240  
 Lys Ser Ile Ile Met Tyr Leu Thr Ser Leu Phe Glu Val Leu Pro Gln  
 245 250 255  
 Gln Val Thr Leu Asp Ala Ile Arg Glu Val Glu Thr Leu Pro Arg Lys  
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 Lys Glu Asp Met Glu Met Lys Arg Gln Ala Leu Asp Gln Leu Ser Glu  
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 Arg Ile Arg Glu Gln Val Thr Thr Lys Arg Ser Lys Gln Glu Leu Pro  
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Page 6

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Lys Gly Leu Leu Glu Glu Lys Tyr Arg Tyr Leu Phe Lys Glu Val Ala  
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Gly Ser Asn Ile Glu Pro Ser Val Arg Ser Cys Phe Gln Gln Asn  
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Arg Leu Glu Pro Gln Ser Met Val Trp Leu Pro Val Leu His Arg  
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 35 40 45  
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 Lys Leu Leu Asp Leu Leu Glu Gly Leu Thr Gly Thr Ser Leu Pro Lys  
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Gln Val Thr Ile Asp Ala Ile Arg Glu Val Glu Thr Leu Pro Arg Lys  
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Page 16



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Ile Gln 1790	Lys Leu Leu Glu Pro 1795	Leu Glu Ala Glu Ile 1800
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Gln Gln 1835	Arg Ile Thr Asp Glu 1840	Arg Lys Arg Glu Glu 1845
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Arg Lys 1910	Ile Lys Glu Ile Asp 1915	Arg Glu Leu Gln Lys 1920
Glu Leu 1925	Asn Ala Val Arg Arg 1930	Gln Ala Glu Gly Leu 1935



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 Page 35

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